

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 June 2004 (10.06.2004)

PCT

(10) International Publication Number
WO 2004/049257 A2

(51) International Patent Classification⁷: G06T 5/00, 3/00

(21) International Application Number:
PCT/GB2003/005044

(22) International Filing Date:
18 November 2003 (18.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0227565.9 26 November 2002 (26.11.2002) GB

(71) Applicant (for all designated States except US): **BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY** [GB/GB]; 81 NEWGATE STREET, LONDON EC1A 7AJ (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LI, Yongmin** [CN/GB]; 167 Cavendish Street, Ipswich, Suffolk IP3 8BG (GB). **XU, Li-Qun** [GB/GB]; 34 Dodson Vale,

Kesgrave, Ipswich, Suffolk IP5 2GT (GB). **MORRISON, David, Geoffrey** [GB/GB]; 10 Tylers Green, Trimley, Felixstowe, Suffolk IP11 0XF (GB). **NIGHTINGALE, Charles** [GB/GB]; 39 Quilter Road, Felixstowe, Suffolk IP11 7JL (GB). **MORPHETT, Jason** [GB/GB]; Valley View, 41 Holton Road, Halesworth, Suffolk IP19 8HG (GB).

(74) Agent: **WALLIN, Nicholas, James**; BT Group Legal, Intellectual Property Department, PP CSIA, BT Centre, 81 Newgate Street, London EC1A 7AJ (GB).

(81) Designated States (national): CA, US.

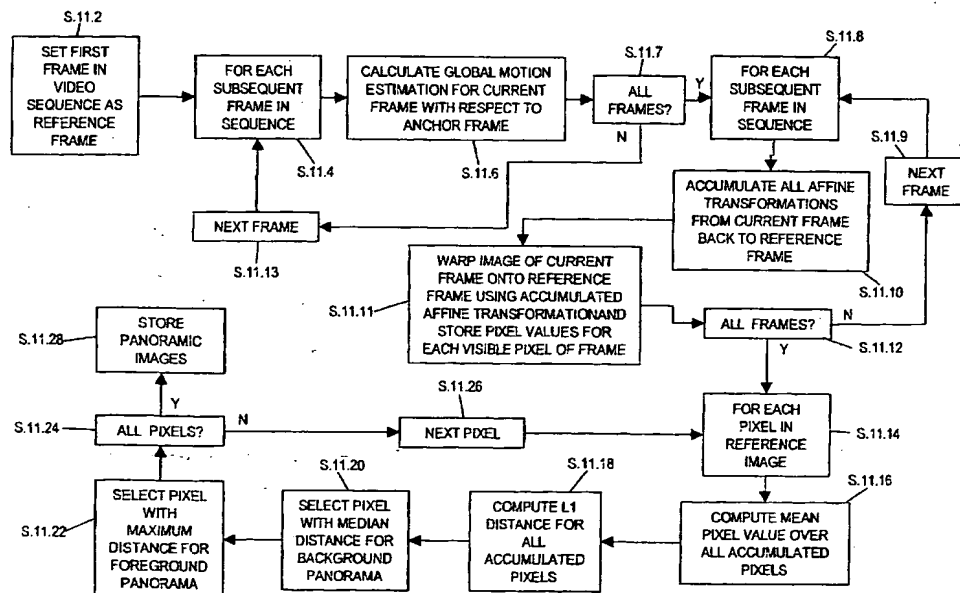
(84) Designated States (regional): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND SYSTEM FOR GENERATING PANORAMIC IMAGES FROM VIDEO SEQUENCES



(57) Abstract: The invention relates to generating panoramic images of foreground and background panorama. Within mosaiced panoramic images there will often be more than one pixel value available for each pixel position. In the invention pixel values for a foreground panoramic image are selected by taking the most extraordinary pixel as foreground, and pixel values for a background image are selected by taking a median pixel value. We have found that such pixel selection gives improved results with respect to the prior art.